

# NKE 24028-CE-K30-W33+AH24028 spherical roller bearings

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Series	910000
Cone Part Number	EE911600
Cup Part Number	912400
Design Units	Imperial
Bearing Weight	77.800 Kg
Cage Type	Pin-Type
d	406.400 mm
D	609.600 mm
B – Cone Width	84.138 mm
C – Cup Width	60.325 mm
B	92.075 mm
R – Cone Backface To Clear Radius <sup>1</sup>	6.860 mm
r – Cup Backface To Clear Radius <sup>2</sup>	6.35 mm
da – Cone Frontface Backing Diameter	438.91 mm
db – Cone Backface Backing Diameter	442.98 mm
Da – Cup Frontface Backing Diameter	570.70 mm
Db – Cup Backface Backing Diameter	566.93 mm
Ab – Cage-Cone Frontface Clearance	7.6 mm
Aa – Cage-Cone Backface Clearance	16.8 mm
a – Effective Center Location <sup>3</sup>	11.9 mm
C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	107000 lbf

C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	414000 lbf
C0 – Static Radial Rating	645000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	70400 lbf
K – Factor <sup>7</sup>	1.52
e – ISO Factor <sup>8</sup>	0.38
Y – ISO Factor <sup>9</sup>	1.57
G1 – Heat Generation Factor (Roller-Raceway)	3250
G2 – Heat Generation Factor (Rib-Roller End)	349.1
Cg – Geometry Factor	0.199